

ABSTRACT

A color organic display (OLED display) with pixels is described. The pixels each comprise a subpixel set with the colors red, green, and blue. A substrate supports a structured color filter, which generates the colors of the subpixel set. A first electrode is on the color filter. An active layer is on the first electrode and contains an emissive material, which is suitable for the generation of electromagnetic radiation. The spectrum of the radiation is matched to the color filter such that the pixels during control with the same electrical signal emit light with a color location within the white region of the CIE diagram. A second electrode is on the active layer.